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(54) Title: HIGH THROUGHPUT CRYSTAL FORM SCREENING WORKSTATION AND METHOD OF USE

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(57) Abstract: A filtration assembly operable in connection with a crystal form screening workstation is disclosed that provides for automated crystal form screening. The assembly comprises first and second valves, with each valve having an internal passage and first, second and third ports. A filter line is interposed between the first and second valves in fluid communication with the second port of the first valve and the second port of the second valve. A filter medium is disposed in the filter line and adapted to filter a drug-containing suspension flowing through the filter line. The filter medium is operable to filter fluids under both positive and negative fluid pressure conditions. A bypass line is interposed between the first and second valves in fluid communication with the third port of the first valve and the third port of the second valve. An actuator switches the internal passage of the first valve between first and second positions. The first position provides a fluid path through the internal passage between the first port and the second port, and the second position provides a fluid path through the internal passage between the first port and the third port. The filter assembly is interposed between a fluid movement controller and a sampling needle. A method of use of the filtration assembly operably connected to a crystal form screening workstation is also disclosed.